

ABSTRACT OF THE DISCLOSURE

An apparatus and method for manufacturing magnetic head device.

In one embodiment, the magnetic head device includes a thin film

magnetic head element having a reproduction element part comprised of

5 a magnetoresistance effect element formed by layering on one surface of

a slider. The magnetoresistance effect element is exposed on a side to

oppose a magnetic recording media. Dry etching is used to remove a

degenerated layer produced on the exposed side of the

magnetoresistance effect element by polishing the surface of the side

10 opposing the magnetic recording media.